



01997.007000

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KENNETH JACOBS, ET AL.

Application No.: 09/306,111

Filed: May 6, 1999

For: SECRETED PROTEINS AND
POLYNUCLEOTIDES ENCODING
THEM

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: Examiner: John S. Brusca

)
: Group Art Unit: 1631

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Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY

Sir:

The undersigned representative of:

Genetics Institute, LLC
87 Cambridgepark Drive
Cambridge, MA 02140

the owner of the full title in and to the entire right, title and interest in the above-identified
patent application, as evidenced by the Assignment for U.S. Application No. 09/306,111
(copy attached), hereby appoints the following person as agents:

FITZPATRICK, CELLA, HARPER & SCINTO
Customer Number: 05514
30 Rockefeller Plaza
New York, New York 10112-3801

TECH CENTER 1600/2900

MAY 16 2002

RECEIVED

to prosecute this patent and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with the above-identified Customer Number.

I am an Officer of Assignee Genetics Institute, LLC and am authorized to act on behalf of the Assignee in this matter.

Genetics Institute, LLC


M. Andrea Ryan
Assistant Secretary

Date: 4/30/02

NY_MAIN 256364v1

ASSIGNMENT

We, Kenneth Jacobs of Newton, MA, John M. McCoy of Reading, MA, Edward R. LaVallie of Harvard, MA, Lisa A. Collins-Racie of Acton, MA, David Merberg of Acton, MA, Michael J. Agostino of Andover, MA, Robert J. Steininger, II of Cambridge, MA, Michael R. Bowman of Canton, MA, Elizabeth DiBlasio-Smith of Tyngsboro, MA, Angela Widom of Acton, MA, Cheryl Evans of Germantown, MD, and Maurice Treacy of Dublin, Ireland, in consideration of One Dollar and other valuable consideration paid to us by

Genetics Institute, Inc.

a corporation of Delaware, having its principal place of business at 87 CambridgePark Drive, Cambridge, Massachusetts 02140, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Genetics Institute, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM

described in an application

☐ executed by us of even date herewith and about to be filed

☒ Serial No. 09/306,111, filed on May 6, 1999

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

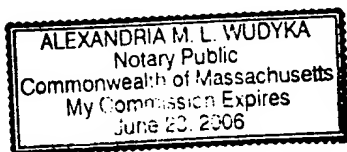
And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 10 day of Sep, 1999.

By: Kenneth Jacobs
Kenneth Jacobs

State of Massachusetts)
County of Middlesex)ss

Then personally appeared the above named Kenneth Jacobs and acknowledged the foregoing instrument to be his free act and deed, before me, this 10 day of September, 1999.



Alexandria M. L. Wudyka
Notary Public

My commission expires: 23 June 2006

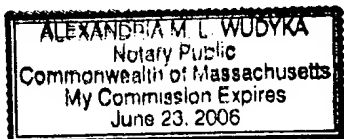
WITNESS my hand and seal this 16th day of September, 1999.

By: _____

John M. McCoy

State of Massachusetts)
County of Middlesex)ss

Then personally appeared the above named John M. McCoy and acknowledged the foregoing instrument to be his free act and deed, before me, this 16th day of September, 1999.



Alexandria M.L. Wodyka
Notary Public

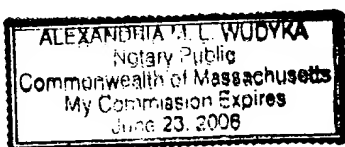
My commission expires: 23 June 2006

WITNESS my hand and seal this 13 day of September, 1999.

By: Edward R. LaVallie
Edward R. LaVallie

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Edward R. LaVallie and acknowledged the foregoing instrument to be his free act and deed, before me, this 13th day of September, 1999.



Alexandria M. C. Wodyka
Notary Public

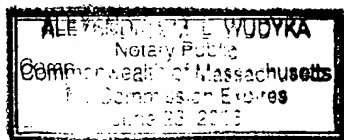
My commission expires: 23 June 2006

WITNESS my hand and seal this 13 day of September, 1999.

By: Lisa A. Collins-Racie
Lisa A. Collins-Racie

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Lisa A. Collins-Racie and acknowledged the foregoing instrument to be her free act and deed, before me, this 13th day of September, 1999.



Alexandria M. C. Wodyka
Notary Public

My commission expires: 23 June 2006

WITNESS my hand and seal this 20th day of October, 1999.

By: David Merberg
David Merberg

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named David Merberg and acknowledged the foregoing instrument to be his free act and deed, before me, this 20th day of October, 1999.

Dorinda A. Landon
Notary Public

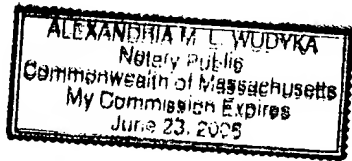
My commission expires: OCTOBER 9, 2003 **MY COMMISSION EXPIRES**

WITNESS my hand and seal this 17th day of September, 1999.

By: Michael J. Agostino
Michael J. Agostino

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Michael J. Agostino and acknowledged the foregoing instrument to be his free act and deed, before me, this 17 day of September, 1999.



Alexandria M. L. Wodyka
Notary Public

My commission expires: 23 June 2006

WITNESS my hand and seal this 25th day of November, 1999.

By: Robert J. Steininger, II
Robert J. Steininger, II

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Robert J. Steininger, II, and acknowledged the foregoing instrument to be his free act and deed, before me, this 25 day of November, 1999.

Rosemarie G. Currier
Notary Public

My commission expires: 11/25/2006

ROSEMARIE G. CURRIER
NOTARY PUBLIC
My Commission Expires Nov. 25, 2005

WITNESS my hand and seal this 14 day of September, 1999.

By: *Michael R. Bowman*

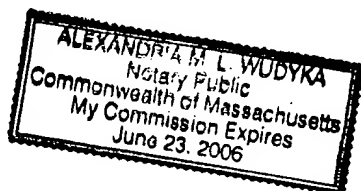
Michael R. Bowman

State of Massachusetts)

)ss

County of Middlesex

Then personally appeared the above named Michael R. Bowman and acknowledged the foregoing instrument to be his free act and deed, before me, this 14 day of September, 1999.



Alexandria M. L. Wodyka

Notary Public

My commission expires: 23 June 2006

WITNESS my hand and seal this 14 day of September, 1999.

By: *Elizabeth DiBlasio-Smith*

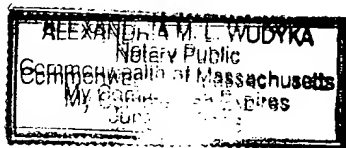
Elizabeth DiBlasio-Smith

State of Massachusetts)

)ss

County of Middlesex

Then personally appeared the above named Elizabeth DiBlasio-Smith and acknowledged the foregoing instrument to be her free act and deed, before me, this 14 day of September, 1999.



Alexandria M. L. Wodyka

Notary Public

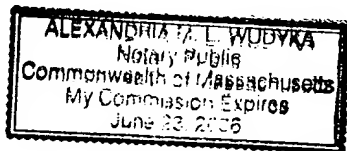
My commission expires: 23 June 2006

WITNESS my hand and seal this 15 day of September, 1999.

By: [Signature]
Angela Widom

State of Massachusetts)
)ss
County of Worcester)

Then personally appeared the above named Angela Widom and acknowledged the foregoing instrument to be her free act and deed, before me, this 15 day of September, 1999.



Alexandria M. L. Wodyka
Notary Public

My commission expires: 23 June 2006

WITNESS my hand and seal this _____ day of _____, 1999.


By: _____
Cheryl Evans

State of Maryland)
)ss
County of Montgomery)

Then personally appeared the above named Cheryl Evans and acknowledged the foregoing instrument to be her free act and deed, before me, this 22 day of October, 1999.

Aime A. Holland
Notary Public

My commission expires: 3/1/2001

WITNESS my hand  seal this 24 day of Nov, 2001, 1999.

By:

Maurice Treacy
Maurice Treacy

State of

)

)ss

County of

)

Then personally appeared the above named Maurice Treacy and acknowledged the foregoing instrument to be her free act and deed, before me, this 24 day of May 2001, 1999.

Witness

Pat Vaughan
Notary Public

NAME &

My ~~commission~~ expires: _____

ADDRESS:

PAT VAUGHAN,

HIBBERGEN,

IDA BUSINESS PARK,

BRAY,

CO WICKLOW

IRELAND